**Unit 3- Expressions and Equations**

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| **#** | **Objective** | **Book Loc.** | **Got it?**  |
|  | **Activity 11- Expressions** |  |  |
| 11.1 | 1. Use the order of operations to simplify expressions involving addition, subtraction, multiplication, and division.
 | 11.1 |  |
| 11.2 | 1. Use the order of operations to simplify expression involving whole number exponents and parentheses.
 | 11.1 |  |
| 11.3 | 1. Use variables to represent numbers and write expressions to solve problems.
 | 11.2 |  |
| 11.4 | 1. Evaluate expressions containing variables.
 | 11.2 |  |
| 11.5 | 1. Use variables to represent quantities.
 | 11.3 |  |
| 11.6 | 1. Write expressions to represent quantities.
 | 11.3 |  |
| 11.7 | 1. Apply the properties of operations to generate equivalent expressions.
 | 11.4 |  |
| 11.8 | 1. Identify when two expressions are equivalent.
 | 11.4 |  |
|  | **Activity 12- Equations** |  |  |
| 12.1 | 1. Write one-variable, one-step equations to represent situations.
 | 12.1 |  |
| 12.2 | 1. Distinguish between expressions and equations.
 | 12.1 |  |
| 12.3 | 1. Understand what it means to solve an equation.
 | 12.2 |  |
| 12.4 | 1. Use substitution to determine which values from a specified set make an equation true.
 | 12.2 |  |
|  | **Activity 13- Solving Addition and Subtraction Equations** |  |  |
| 13.1 | 1. Write a one-step addition equation to model a situation.
 | 13.1 |  |
| 13.2 | 1. Solve an addition equation in the form $x+a=b$, where a, b, and x are all nonnegative *integers.*
 | 13.1 |  |
| 13.3 | 1. Write addition equations to represent situations.
 | 13.2 |  |
| 13.4 | 1. Solve one-step addition equations of the form $x+a=b$, where a, b, and x are all nonnegative *rational numbers*.
 | 13.2 |  |
| 13.5 | 1. Given an equation of the form $x+a=b$, where a, b, and x are all nonnegative rational numbers, write a corresponding real-world problem.
 | 13.2 |  |
|  | **Activity 14- Solving Multiplication and Division Equations** |  |  |
| 14.1 | 1. Write a one-step multiplication equation to model a situation.
 | 14.1 |  |
| 14.2 | 1. Solve a multiplication equation of the form $ax=b$ where a, b, and x are all positive integers*.*
 | 14.1 |  |
| 14.3 | 1. Write multiplication equation to represent situations.
 | 14.2 |  |
| 14.4 | 1. Solve multiplication equations of the form $ax=b$ where a, b, and x are all positive rational numbers.
 | 14.2 |  |
| 14.5 | 1. Given an equation of the form $ax=b$ where a, b, and x are all positive rational numbers, write a corresponding real-world problem.
 | 14.2 |  |
|  | **Activity 15- Expressions and Equations** |  |  |
| 15.1 | 1. Write inequalities to represent constraints or conditions within problems.
 | 15.1 |  |
| 15.2 | 1. Use substitution to determine whether a given number makes an inequality true.
 | 15.1 |  |
| 15.3 | 1. Graph solution sets of inequalities.
 | 15.1 |  |
| 15.4 | 1. Given an inequality, write a corresponding real-world problem.
 | 15.1 |  |
| 15.5 | 1. Write one-step inequalities to represent constraints or conditions within problems.
 | 15.2 |  |
| 15.6 | 1. Use substation to determine whether a given number makes an inequality true.
 | 15.2 |  |
| 15.7 | 1. Solve one-step inequalities.
 | 15.2 |  |
| 15.8 | 1. Graph the solution sets of one-step inequalities.
 | 15.2 |  |
|  | **Activity 16- Expressions and Equations**  |  |  |
| 16.1 | 1. Create a table representing a relationship given a verbal description.
 | 16.1 |  |
| 16.2 | 1. Write an equation to represent a relationship given a verbal description or a table.
 | 16.1 |  |
| 16.3 | 1. Investigate rate of change.
 | 16.1 |  |
| 16.4 | 1. Graph equations of the form $y=ax$
 | 16.1 |  |
| 16.5 | 1. Graph equations of the form $y=kx$ or $y=x+b$.
 | 16.2 |  |
| 16.6 | 1. Create a table and graph a relationship given a verbal description.
 | 16.2 |  |
| 16.7 | 1. Explain how one variable depends on another variable.
 | 16.2 |  |
| 16.8 | 1. Describe a relationship given a graph.
 | 16.2 |  |